

ZASLAWSKII, A.I.

ZUBOV, V. P., ZASLAWSKII, A. I., PETROVICH, V. A., SOKOLOVA, V. K.,
BUD'KOV, I. A. and CHALYKIN, A. I.

Electrical and Thermal Properties on In Te - Semiconductor with
Defect Structure.

report presented at the Int'l. Conf. on Semiconductor Physics, Prague,
29 Aug - 2 Sep 1960

Inst. of Semiconductors, Acad. Sci. USSR Leningrad

ZASLAVSKIY, A.I.; TUTOV, A.G.

Structure of a new antiferromagnetic, BiFeO_3 . Dokl. Akad. Nauk SSSR 135
no.4:815-817 '60. (MIRA 13:11)

1. Institut poluprovodnikov Akademii nauk SSSR. Predstavлено
академиком А.Ф.Иоффе.
(Bismuth ferrate)

ZASLAVSKII, A. I.; SERGEEVA, V. M.; SMIRNOV, I. A.

Heat conductivity of α and β -modifications of In_2Te_3 . Fiz. tver. tela 2 no.11:2885-2893 N '60. (MIRA 13:12)

1. Institut poluprovodnikov AN SSSR, Leningrad.
(Indium telluride--Thermal properties)

ZASLAVSKIY, A.I.; SERGEYEVA, V.M.

Polymorphism of In_2Te_3 . Fiz. tver. tela 2 no.11:2872-2880 B '60.
(MIRA 13:12)

1. Institut poluprovodnikov AH SSSR, Leningrad.
(Indium telluride) (Polymorphism)

28090

S/181/61/003/009/024/039
B104/B102

t

24,7700(1144,1160)

AUTHORS:

Sheftel', I. T., Zaslavskiy, A. I., Kurlina, Ye. V., and
Tekster-Proskuryakova, G. N.

TITLE:

Electrical properties and structure of complex oxide
semiconductors. II. The systems $MnO-CuO-NiO-O_2$ and $MnO-CuO-$
 $NiO-O_2$

PERIODICAL:

Fizika tverdogo tela, v. 3, no. 9, 1961, 2712-2725

TEXT: In previous articles, the authors have investigated the electrical properties and the structure of the binary systems Mn-Cu, Mn-Co, Cu-Co, and Co-Ni, as well as of the ternary system $MnO-CuO-CoO-O_2$ (DAN SSSR, 86, 2, 305, 1952; ZhTF, XXVII, 11, 51, 1957; FTT, I, 2, 277, 1959; FTT, sb., v. II, 50, 1959). Here, the authors report on the dependence of the conductivity σ of the above systems on their composition and structure. The production of the samples, the method of X-ray diffraction studies, and the electrical measurements have been described in previous articles. The following annealing temperatures have been chosen in order to ensure a better sintering: For copper-nickel material between 1000 and 1100°C, for

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S/181/6:/003/009/024/039
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Electrical properties and ...

nickel-manganese material between 1300 and 1350°C; for materials containing Co, Ni, and Mn between 1200 and 1450°C, and for systems of Cu, Ni, or Mn oxides between 1030 and 1300°C. The relation between the conductivity of the systems $MnO-NiO-O_2$ and $CuO-NiO-O_2$ at room temperature and their composition was studied. It was found that σ shows a maximum in nickel-manganese semiconductors in connection with the formation of $NiMn_2O_4$. This compound has a cubic spinel structure. It is formed purely in compositions with $Ni : Mn = 1 : 2$ and if the synthesis temperature is 900-1000°C. Annealing at 1300°C partly dissociates the spinel, and the conductivity drops. In the system of copper and nickel oxides, σ shows a maximum and the activation energy ΔE a minimum. These extreme values are related with the formation of solid solutions between the two oxides. The investigation of the temperature dependence of σ for the systems $MnO-CoO-NiO-O_2$ and $MnO-CuO-NiO-O_2$ showed that the law $\sigma = A \exp(\Delta E/2kT)$ (1) is well satisfied for all compositions at temperatures from 20 to 200°C. Table 2 shows data on these semiconductors. A measurement of the thermo-emf at room temperature showed that all materials of the system $MnO-CuO-NiO-O_2$ investigated had a p-type conductivity. In the system of Mn, Ni, and Co oxides, one group of semiconductors has a p-type conductivity, and the

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Electrical properties and ...

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(CuO-Cu₂O-NiO-O₂) will be investigated. N. P. Potapov is mentioned. The authors thank B. T. Kolomiyets for interest, V. G. Prokhvatilov for determining the phase compositions of the semiconductors, as well as Z. V. Karachentseva and A. I. Zharinova for participating in the determination of the cation distribution. There are 9 figures, 3 tables, and 15 references: 5 Soviet and 10 non-Soviet. The three most important references to English-language publications read as follows: M. Kamaiyama, Z. Nara, J. Appl. Phys., Japan, 21, 400, 1952; R. R. Heikes, W. D. Johnston, J. Chem. Phys., 26, 3, 582, 1957; F. J. Morin, Bell Syst. Tech. J., 37, 1047, 1958.

SUBMITTED: April 25, 1961

Card 4/8

ZASLAVSKIY, A.I.; BRYZHINA, M.F.

X-ray diffraction analysis of the antiferroelectric Pb_2KgW_6 , and the system of solid solutions $Pb_2KgW_6 - PbTiO_3$. Kristallografiia 7 no.5;709-717 S-0 '62. (MIRA 15:12)

1. Institut poluprovodnikov AN SSSR.
(X-ray crystallography) (Systems (Chemistry))
(Ferroelectric substances)

ZASLAVSKIY, A.I.; KARACHENTSEVA, Z.V.; ZHARINOVA, A.I.

Cation arrangement in the spinel CuMn₂O₄. Kristallografia 7 no.6:835-843
N-D '62. (MIRA 16:4)

(Spinel group) (Crystallography)

S/070/62/007/006/002/020
E132/E435

AUTHORS: Zaslavskiy, A.I., Karachentseva, Z.V.,
Zharinova, A.I.

TITLE: The distribution of the cations in the spinel CuMn₂O₄

PERIODICAL: Kristallografiya, v.7, no.6, 1962, 835-843

TEXT: The crystal structure of the spinel CuMn₂O₄ was determined by X-ray diffraction methods using both photographic and ionization chamber methods. Fe radiation was used for cell size determination and Mo for intensity measurements. Work by A.P.B.Sinha et al (J. Phys. Chem., v.62, no.2, 1958, 191-194) did not agree with earlier work by the present authors as to the degree of inversioness. Sinha found the spinel to be normal ($\lambda = 0$) and measured the O parameter as $u = 0.392$. Zaslavskiy gave $u = 0.375$ with the spinel half-inverse. It has now been found that λ may be between 0.67 and 1.0. These two possibilities, a statistical distribution of the two kinds of atoms between the 8(a) and 16(d) positions and full inversioness, are hardly to be distinguished. It was confirmed that $u = 0.375$ (or 0.250 with different origin). Three dimensional line syntheses along [111] were constructed and the peak heights were carefully adjusted.

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The distribution of the cations ...

S/070/62/007/006/002/020
E132/E435

The object of the study, the vindication of the authors' earlier work, was considered as achieved. There are 4 figures and 1 table.

SUBMITTED: January 15, 1962

Card 2/2

40571

24.7100

S/070/62/007/005/003/014
E132/E460

AUTHORS: Zaslavskiy, A.I., Bryzhina, M.F.

TITLE: X-ray structural determination of the antiferroelectric
 Pb_2MgW_6 and the system of solid solutions
 $Pb_2MgW_6-PbTiO_3$

PERIODICAL: Kristallografiya, v.7, no.5, 1962, 709-717

TEXT: It has been established that the compound Pb_2MgW_6 has a perovskite-type structure with an orthorhombic distortion giving a unit cell with parameters 22.69, 22.74 and 15.87 kX (corresponding to $4a_c^{1/2}$; $4b_c^{1/2}$; and $4c_c$ where a_c , b_c and c_c are the dimensions of the perovskite sub-cell). In the system $PbMg_{1/2}W_{1/2}O_3 - PbTiO_3$ at room temperature there is a continuous range of solid solutions with the perovskite structure over the range 5 to 70 mol% $PbTiO_3$. At 45 mol% $PbTiO_3$ there is a transition from the cubic paraelectric phase to a tetragonal, ferroelectric phase. In the cubic phase there is partial ordering of the small cations leading to the doubling of the cell side. This ordering gradually decreases with increasing $PbTiO_3$ content. The degree of tetragonality increases with the second component. Parameters of the elementary cells were measured

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X-ray structural ...

S/070/62/007/005/003/014
E132/E460

(Fig.4). Below 39°C, Pb_2MgW_6 is antiferroelectric. The various powder, single crystal and diffractometer records were fully indexed and the displacements of the ions from the strictly cubic positions were not determined, but two factors lead to the appearance of the superstructure: a) three-dimensional ordering of the smaller cations in O octahedra (Mg, W, Mg, \dots) doubling the cell side, and b) antiparallel displacements of the atoms producing further doubling. The space group is $D_2^5 = C_{2221}$. There are 4 figures and 2 tables.

ASSOCIATION: Institut poluprovodnikov AN SSSR
(Institute of Semiconductors, AS USSR)

SUBMITTED: November 18, 1961

Card 2/3

X-ray structural ...

S/070/62/007/005/003/014
E132/E460

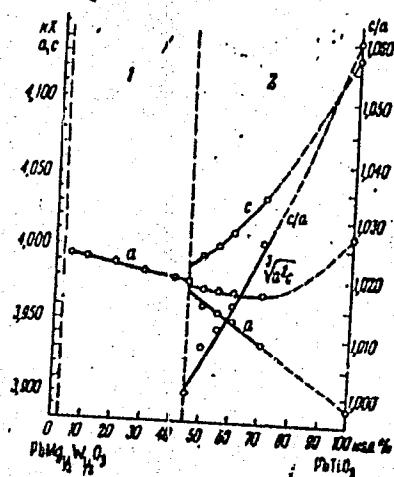


Fig.4. Dependence of cell dimensions on composition.
Card 3/3

AIRAMOVA, N.A., nauchn. sotr.; BEL'CHENKO, G.V., kand. tekhn. nauk;
BERENBLIT, V.V., nauchn.sotr.; VASIL'YEV, V.P., kand.khim.
nauk; DOYCHIN, D.P., doktor khim. nauk; IOFFE, B.V., dokt.
khim.nauk; KAMINSKIY, Yu.I., nauchn.sotr.; KARPOVA, I.F.,
kand. khim. nauk; KOPYLEV, B.A., doktor khim. nauk;
LUTUGINA, N.V., kand. khim. nauk; MATEROVA, Ye.A., kand.
khim. nauk; MORACHEVSKIY, Al.G., kand. khim. nauk;
MORACHEVSKIY, An.G., kand. khim. nauk; NIKEROV, A.E., kand.
khim. nauk; PAL'M, V.A., kand. khim. nauk; RABINOVICH, V.A.,
kand. khim. nauk; SOKOLOV, P.N., kand. khim. nauk;
FRIDRIKHSBERG, D.A., kand. khim. nauk; TSYGIR, Ye.N., nauchn.
sotr.; SHAGITSULTANOVA, G.A., kand. khim. nauk; SHKODIN, A.M.,
doktor khim. nauk; YATSIMIRSKIY, K.B.; GRIGOROV, O.N., doktor khim.
nauk, red.; ZASLAVSKIY, A.I., kand. khim. nauk, red.; MORACHEVSKIY,
Yu.V., prof., red.; RACHINSKIY, F.Yu., kand. khim. nauk, red.;
POZIN, M.Ye., doktor tekhn. nauk, red.; PORAY-KOSHITS, B.A., doktor
khim. nauk, red.; PROTASOV, A.M., kand. fiz.-mat. nauk, red.;
ROMANKOV, P.G., red.

[Handbook for the chemist] Spravochnik khimika, 2. izd., perer. i
dop. Moskva, Khimiia. Vol.3. 1964. 1004 p. (MIKA 18:1)

1. Chlen-korrespondent AN SSSR (for Romankov). 2. Deystvitel'nyy
chlen AN Ukr.SSR (for Yatsimirskiy).

ZASLAVSKIY, A.I.; ZHUKOVA, T.B.

Structure of Ag₃Te₂. Zver.stukt.khim. 5 no. 2:246-249
Mr-Apr '64. (MIRA 17:6)

1. Institut poluprovodnikov AN SSSR, Leningrad.

ACCESSION NR: AP4031130

8/0192/64/005/002/0246/0249

AUTHOR: Zaslavskiy, A. I.; Zhukova, T. B.

TITLE: The structure of AgFeTe₂

SOURCE: Zhurnal strukturnoy khimii., v. 5, no. 2, 1964, 246-249

TOPIC TAGS: AgFeTe₂, elemental synthesis, structure, beta-AgFeTe₂, powder analysis, crystal x ray analysis, NiAs structure group, semiconductor, ternary semiconductor

ABSTRACT: The structure of the ternary semiconductor AgFeTe₂, prepared by elemental synthesis at 800-850°C was investigated. Contrary to publications by J. H. Wernik and R. Wolfe (J. Appl. Phys., 32, 4, 749, 1961) and Manca, Massazza (J. Appl. Phys., 33, 4, 1608, 1962) the existence of an individual high temperature phase beta-AgFeTe₂ was confirmed by structural analysis of its monocrystals and powder. AgFeTe₂ belongs to the structural group NiAs, and most probably to the spatial group D_{3d} (fig. 1). On initial synthesis its subgroup structure is approximately hexagonal; on rearranging the structure changes to the trigonal with parameters a = 7.60 and c = 5.69 Å. "The authors thank Prof. V. P. Zhuze

Card 1/3

ACCESSION NR: AP4031130

for proposing the object of the investigation and for interest shown in this work." Orig. art. has: 1 table and 2 figures.

ASSOCIATION: Institut poluprovodnikov AN SSSR Leningrad (Institute of Semiconductors, AN SSSR)

SUMMITTED: 21Jan63

DATE ACQ: 07May64

ENCL: 01

SUB CODE: MM

NO REF Sov: 003

OTHER: 003

Card

2/3

ACCESSION NR: AP4031130

ENCLOSURE: 01

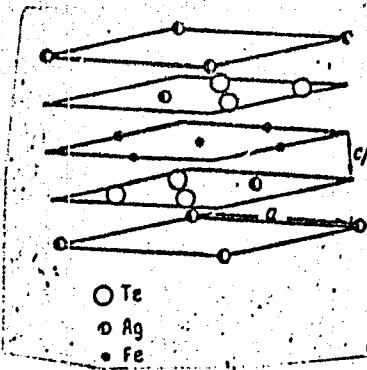


Fig. 1. Distribution of atoms in the cell with $a = 7.60$, $c = 5.69 \text{ \AA}$.

Card 3/3

NIKOL'SKIY, B.P., glav. red.; GRIGOROV, O.N., doktor khim. nauk, red.;
PORAY-KOSHITS, B.A., doktor khim. nauk, red.; ~~POTIN, V. A.~~,
~~doktor khim. nauk, red.~~; ROMANKOV, P.G., red.; FRIDRIKHSBERG,
D.A., kand. khim. nauk, red.; RABINOVICH, V.A., kand. khim.
nauk, red.; RACHINSKIY, F.Yu., kand. khim. nauk, red.; ZAYDEL',
A.N., doktor fiz.-mat. nauk, red.; ZASLAVSKIY, A.I., kand.khim.
nauk, red.; MORACHEVSKIY, Yu.V., prof., red.; GRIVA, Z.I., red.;
KOTS, V.A., red.; TOMARCHENKO, S.L., red.

[Chemist's handbook] Spravochnik khimika. 2., izd., perer. 1
dop. Moskva, Khimiia. Vol.4. 1965. 919 p. (MIRA 19:1)

1. Chlen-korrespondent AN SSSR (for Nikol'skiy, Romankov).

ABAGYAN, S.A.; GORODETSKIY, S.M.; ZHUKOVA, T.B.; ZASIAVSKIY, A.I.; LISHINA,
A.V.; SUBASHIYEV, V.K.

Optical and X-ray diffraction studies of $\text{GaAs}_x\text{P}_{1-x}$ crystals.
Fiz. tver. tela 7 no.1:200-206 Ja '65.

(MIRA 18:3)

1. Institut poluprovodnikov AN SSSR, Leningrad.

ZASLAVSKIY, A. Kh.

(Novosibirsk)

The problem of isomorphism of stationary processes. Teor. veroyat.
i ee prim. 9 no.28318-326 '64 (MIRA 1787)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0

ZASIAVSKIY, A. N.

1899-1962

1964

ARCHITECT

DECEASED

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0"

ZASLAVSKIY, A-N.

Electrical Engineering Abst.
Vol. 57 No. 675
Mar. 1954
Electrical Engineering

621.314.25 : 621.372.8
188. [Frequency] band phase-shifting circuit. A.R.
LYSHINS AND A. N. ZASLAVSKIY. Elektrichesko,
1953, No. 10, 56-8. In Russian.
An analysis of a pass-band filter-type circuit
capable of producing two voltages displaced from one
another by 90° and such that $|U_1| = |U_2| = \text{const}$.
within a certain frequency band; the bandwidth
depends on the imposed tolerance for the condition
of the equality of the voltages. The results of the
analysis give relations between various circuit para-
meters and are presented in the form of curves which
are useful in the design of the circuit.
E. M. DEMANSKI

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5/14/54

9(2)

SOV/115-59-3-18/29

AUTHOR: Gural'nik, S.N., and Zaslavskiy, A.N.

TITLE: A Magneto-Electric Loop Vibrator With Concentrated Liquid Damping (Magnitoelektricheskiy shleyfovyy vibrator s sosredotochennym zhidkostnym uspokoyeniem)

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 3, pp 39-41 (USSR)

ABSTRACT: The possibilities for applying light-beam oscilloscopes for recording high-speed processes are limited, mainly because of the own frequency of the loop vibrator. It is very difficult to achieve an increase of the own frequency of the vibrator designs presently used. The authors therefore suggest a vibrator design which is radically different from the "classic" systems, by using the principle of concentrated liquid damping (Author's Certificate Nr 102877 and Nr 106854). The mobile part of the vibrator with concentrated liquid damping is not submerged in a liquid filled housing. The loop passes thru some miniature reservoirs, located in some

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SOV/115-59-3-18/29

A Magneto-Electric Loop Vibrator With Concentrated Liquid Damping

limited sections within the working gap of the magnetic system, as shown by figure 1. The working reservoirs are built as cylindrical capillary tubes in which the liquid is kept by the capillary forces alone. The capillary tubes are filled thru auxiliary capillaries, thus the main tubes are always completely filled. Tests with this vibrator damping showed that the length of service is practically unlimited. The own frequency of such a vibrator with concentrated liquid damping is about 80-100% of its own frequency in air, which means that it exceeds twice the frequency of a vibrator submerged in the damping liquid. Also the adjusting of a vibrator with concentrated liquid damping is much simpler, thus these devices may be mass-produced. A table shows the basic parameters of two series of loop vibrators with concentrated liquid damping N135 and N136 which will be produced by the plant "Vibrator". Vibrators of type N135 will be used with MP02

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SOV/115-59-3-18/29

A Magneto-Electric Loop Vibrator With Concentrated Liquid Damping

oscillograph while the type N136 is to be used with new oscillograph models. Figure 4 shows a graphical comparison of the different loop vibrator series which are superior not only to other Soviet models but even to the best foreign models. There are 2 diagrams, 1 table and 4 graphs.

Card 3/3

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0

LIVSHITS, A.R., kandidat tekhnicheskikh nauk (Leningrad); ZASLAVSKIY, A.N., inzhener (Leningrad).

Phase shifting scheme of a given frequency range. Elektrichestvo no.10:56-58 (MLRA 6:10) 0 '53. (Electric currents)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0"

GURAL'NIK, S.N.; ZASLAVSKIY, A.N.

Magnetolectric loop oscillator with lumped liquid damping.
Izm.tekh. no.3:39-41 Mr '59. (MIRA 12:4)
(Oscillators, Electric)

ZASLAVSKIY, A.N.

B.I.T.R.
Vol. 3 No. 3
Mar. 1954
Electrical
Engineering

3174. Diagram for Phase Shift in Certain Frequency Ranges. (Russian.) A. R. Livshits and A. N. Zaslavskiy. Elektronika, 1953, no. 10, Oct., p. 56-58.
Describes diagram of phase shift of 90° at equal resistances.
Diagrams, graphs.

6-22-54

ZASLAVSKIY, A. N.

B. T. R.
Vol. 3 No. 3
Mar. 1954
Electrical
Engineering

3173 "Diagram for Phase Shift in Certain Frequency
Ranges. (Russian.) A. B. Lyshtsi and A. N. Zaslavskii. Elek-
tronika, 1953, no. 10, Oct., p. 56-58.
Describes diagram of phase shift of 90° at equal resistances.
Diagrams, graphs."

ZASLAVSKIY, A. S.

Bacteria

Thiostannate bacteria with affinity for salt in salty water reservoirs. Mikrobiologija
21 No. 1:31-35 Jan-Feb '52.

Monthly List of Russian Accessions, Library of Congress
July 1952. UNCLASSIFIED.

ZASLAVSKIY, A. S.

USSR/Medicine - Antibiotics, Bactericidal agents

Mar/Apr 52

"Survival of Some Pus Microorganisms and Pus-Forming Microorganisms in Fruit Juices Sterilized by Heating. A. S. Zaslavskiy, Odessa Technol Inst of the Food and Refrigerating Ind

"Nikrobiol" Vol XXI, No 2, pp 172-176

Some fruit juices (tomato, orange) were found to exert a healing effect on wounds and ulcers. Good results of the same type were also achieved with juices of garlic, onion, potato, and carrot, but these vegetable juices were inactivated by boiling.

21069

USSR/Medicine - Antibiotics, Bactericidal agents (Contd.)

Mar/Apr 52

While the bactericidal effect of such juices is allegedly due to phytocides, the P_H is also of importance. On being sterilized by heating at $100^{\circ}C$ for 30 min 3 times, industrially produced fruit juices (apple, grape, apricot with sugar added, cherry) exhibit bactericidal activity toward *B. prodigiosum*, *B. proteus vulgaris*, *B. coli*, *commune*, *B. pyocyanum*, *B. fluorescens liquefaciens*, *Staphylococcus 209*. After neutralization with ammonia, the bactericidal activity of these fruit juices drops sharply. Grape juice has the property of agglutinating the microorganisms examined.

"APPROVED FOR RELEASE: 03/15/2001

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APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0"

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0"

ZASLAVSKY, A.S.

SIBAL'NIKOV, N.G.; BUL'YINA, I.P.; ZASLAVSKY, A.S.; UL'YANOV, N.O.

Removal of water from washed grapes during the manufacture of
juice. Kons. & sv. prot. № 615-7 Ju 1959. (NTIA 12:6)

I.M. Mordovetsky nauchno-issledovatel'skiy institut pishchevyye proizvod-
stviya.
(Grape juice)

3

ZASLAVSKIY, A. S.; GIDALEVICH, M. G.

Storage of semiprocessed grape juice in tanks under reduced pressure of carbon dioxide. Trudy MNIIPP 1:99-106 '61.
(MIRA 16:1)

(Grape juice—Storage)

ZASLAVSKIY, A. S.; GIDALEVICH, M. G.; Prinimali uchastiye:
GRISHINA, Ye. M.; TSVETKOVA, L. M.

Use of sorbic acid in the preparation of semiprocessed grape
juice. Trudy MNIIIPP 1:115-118 '61. (MIRA 16:1)

(Grape juice—Preservation)
(Sorbic acid)

POPOVSKIY, V. G.; GIDALEVICH, M. G.; DUL'NEVA, I. P.; ZASLAVSKIY, A. S.;
Prinimali uchastiy: UL'YANKIN, M. G.; ZELENSKAYA, M. I.;
SHCHELOKOVA, I. M.; DANILOV, M. A.; SHVETS, A. T.

Improving the technology of grape juice manufacture. Trudy
MNIIPP 1:9-37 '61. (MIRA 16:1)

(Moldavia—Grape juice)

UL'YANKIN, M. G.; Prinimali uchastiye: GIDALEVICH, M. G.;
DUL'NEVA, I. P.; ZASLAVSKIY, A. S.; SHABALINA, N. S.;
CHMILENKO, N. M.; PROKHOROVICH, L. Ye.

Separators for juice manufacture. Trudy MNIIIPP 1:49-62 '61.
(MIRA 16:1)

(Separators(Machines)) (Fruit juices)

ZASLAVSKIY, A.S.; GIDALEVICH, M.G.

Technology of the manufacture of grape juice preserved with
sorbic acid. Kons. i ov. prom. 19 no.1-14-16 Ja '64.
(MIRA 17:2)

1. Moldavskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti.

ZASLAVSKIY, A.S.; GIDALEVICH, M.G.

Some problems of the preparation technology of grape juice
preserved by sorbic acid. Trudy MNIIIPP 5:67-71 '64.
(MIRA 19:1)

ZASLAVSKIY, A.S., kand.biol.nauk; CHMILENKO, N.M.

Efficient method for sterilizing canned "Green peas" in glass
containers No.83-1. Trudy MNIIIPP 3:21-26 '63.

(MIRA 18:1)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0

BOBRAKOV, B.P.; ZASLAVSKIY, A.S., kand.biol.nauk; MORDKOVICH, M.S.; SIROTA, M.A.

Investigating the processes of canned food sterilization in a
"Hydran" sterilizer with continuous action. Trudy MNIIIPP 3:27-44
(MIRA 18:1)
163.

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0"

GIDALEVICH, M. G.; DUL'NEVA, I. P.; ZASLAVSKIY, A. S.; UL'YANKIN, M. G.;
Prinimali uchastiye: ZELENSKAYA, M. I.; SHCHELOKOVA, I. M.;
DANILOV, M. A.; SHVETS, A. G.

Investigating the efficiency of grape washing. Trudy MNIIIPP 1:
(MIRA 16:1)
39-44 '61.

(Moldavia—Grape juice)

ZASLAVSKIY, A.S.; PROKHOROVICH, L.Ye.

Shortcomings of the instruction for the microbiological inspection
of canned food production. Kons.i ov.prom. 17 no.10:25-26 0
'62. (MIRA 15:9)

1. Moldavskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti.
(Sanitary microbiology) (Canning industry)

ZASLAVSKIY, A.S.; PRAVDA, Ye.I.

Pasteurization of grape juice in a pasteurizer with continuous
action. Kons.i ov.prom. 17 no.9:10-12 S '62. (MIRA 15:8)

1. Moldavskiy nauchno-issledovatel'skiy institut pishchevoy promy-
shlennosti. (Grape juice) (Pasteurizers)

ZASLAVSKIY, A.S.

Vibrator for massage of the gums. Stomatologija 39 no.6:61 N-D '60.
(MIRA 15:1)

I. Iz Permskoy gorodskoy bol'nitsy No.21 (glavnnyy vrach G.P.Dolmatov,
nauchnyy konsul'tant - prof. I.M.Oksman).
(DENTAL INSTRUMENTS AND APPARATUS)

ZASLAVSKIY, A.S.; CHMILENKO, N.M.

New sterilization method in the manufacture of canned "Green peas."
(MIRA 15:3)
Kons. i ov.prom. 17 no.4:8-9 Ap '62.

1. Moldavskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti.
(Moldavia--Peas, Canned) (Sterilization)

MORDKOVICH, M.S.; SIROTA, M.A.; BOBRakov, B.P.; ZASLAVSKIX, A.S.

Sterilization of canned food in a continuous hydrostatic sterilizer.
(MIRA 14:8)

Kons. i os. prom. 16 no.9:13-19 S '61.

1. Moldavskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti.
(Canning industry--Equipment and supplies)
(Food, Canned--Sterilization)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0

ZASLAVSKIY, A.S.

Ionogalvanization of the gingivae with a 10% solution of calcium chloride in treating paradentosis. Stomatologija 39 no.1:24 Ja-F '68.
(MIKA 14/11)
1. Iz Permskoy gorodskoy bol'nitsy No.21 (glavnnyy vrach G.P.Dolmato.).
(ELECTROPHORESIS) (GUMS--DISEASES)
(CALCIUM CHLORIDE)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0"

ZASLIVSKIY, A. V. Prof.

"The Role of the Functional Weakening of the Cerebral Cortex in the Origin of Various Pathological Processes in the Organism.

Vestnik venerologii i dermatologii (Bulletin of Venereology Dermatology),
No 1, January-February 1954 (biomper), Moscow.

ZELICHENOK, B.Yu., inzh.; BABITSKIY, M.S., inzh.; VARNAVSKIY, I.N., inzh.; KOVYNEV, M.V., inzh.; MEDVEDEV, V.V., inzh.; ZASLAVSKIY, A.Ya., inzh.

Influence of cross rolling on the quality of 16GN and 17GS steel sheets. Stal' 25 no.8:825-828 S '65. (MIRA 18:9)

1. Orsko-Khalilovskiy metallurgicheskiy kombinat i Chelyabinskij nauchno-issledovatel'skiy institut metallurgii.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0

ZASLAVSKIY, A.Ye.

Replacing plane sketches by the terran profile in vertical control
of aerial photographs. Geod.i kart. no.6:50-51 Je '62.
(MIRA 15:8)

(Aerial photogrammetry)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0"

L 03597-67 EWT(d)/EMP(1) LIP(a) 00/BB
ACC NR: AR6029285

SOURCE CODE: UR/0044/66/000/006/V057/V058

43

AUTHOR: Zaslavskiy, A. Ye.; Sycheva, N. M.

TITLE: A problem of optimum pattern recognition 10

SOURCE: Ref. zh. Matematika, Abs. 6V383

REF SOURCE: Sb. Vychisl. sistemy. Vyp. 19, Novosibirsk, 1965, 35-65

TOPIC TAGS: adaptive pattern recognition, medical equipment, medical experiment, algorithm, diagnostic instrument, diagnostic medicine, ballistocardiography

ABSTRACT: An algorithm for the diagnostics of heart diseases from the ballistocardiograms (BCG) is established using the methods of the theory of checking statistical hypothesis. The heights of peaks and the distances between them are used as signs (altogether up to 13 signs per BCG). The normal distribution of these signs was determined experimentally. Using the estimates of the parameters of the corresponding normal distribution, one establishes the function of the likelihood ratio. One hundred BCG of healthy persons and 93 BCG with "stenocardia" diagnosis were used for the criterion establishment (learning). Checking was carried out on 32 additional BCG with "stenocardia" diagnosis, 28 of which were correctly identified. Tables are given corresponding to various methods for the choice of signs. [Translation of abstract] 4 illustrations and bibliography of 5 titles. V. Sh.

SUB CODE: 06,09

Card 1/1 gf

UDC: 51:681.41:155

ZASLAVSKIY, B.

[For the welfare and happiness of the people; collected documents] Na blago i schast'e naroda; sbornik dokumentov. Moskva, Gos. izd-vo polit.lit-ry, 1961. 398 p. (MIRA 14:12)
(Russia—Economic policy)

BELYAKOV, V.; ZASLAVSKIY, E., red.; KLIMOVA, T., tekhn. red.

[Standard-bearers] Znamenostsy. Moskva, 1961. 413 p.
(MIRA 15:2)

(Labor and laboring classes)
(Agricultural workers)

MALIN, V.N.; MOSKOVSKIY, V.P.; ZASLAVSKIY, B., red.; IL'NITSKAYA, G., red.;
MUKHIN, Yu., tekhn. red.

[CPSU on the armed forces of the Soviet Union; a collection of
documents, 1917-1958] KPSS o vooruzhennykh silakh Sovetskogo
Soiuza; sbornik dokumentov 1917-1958. Moskva, Gos. izd-vo polit.
lit-ry, 1958. 419 p. (MIRA 11:10)

(Russia—Armed forces)

(Communist Party of the Soviet Union—Party work)

ZASLAVSKIY, B. (Khar'kov); LYUSHNIN, N. (Khar'kov); GOTENOV, S. (Khar'kov);
PIL'NIK, A. (Khar'kov); MISAN, L. (Khar'kov); GAYDACHUK, V.,
(Khar'kov); SPOYCHAKOV, V. (Khar'kov)

Attention and support to volunteer design offices. Kryl.rod.
14 no.3:2-3 Mr '63.
(Aeronautics—Technological innovations)

31361
S/207/62/000/001/005/018
B113/B104

10/200

AUTHOR: Zaslavskiy, B. I. (Novosibirsk)

TITLE: Some particular solutions of "short-wave" equations

PERIODICAL: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 1,
1962, 34-38

TEXT: According to the definition given by O. S. Ryzhov and S. A. Khristianovich (PMM, 1958, v. XXII, no. 5), "short waves" are understood as small but sharp changes of the parameters of the medium. The system of "short-wave" equations for the independent variables τ , y^0 , and δ^0

$$\frac{\partial \mu^0}{\partial \tau} + [\mu^0 + (b-1)\delta^0] \frac{\partial \mu^0}{\partial \delta^0} + \frac{1}{2} b y^0 \frac{\partial \mu^0}{\partial y^0} + \frac{1}{2} \frac{\partial v^0}{\partial y^0} + (k-b)\mu^0 = 0$$

$$\frac{\partial v^0}{\partial \delta^0} - \frac{\partial \mu^0}{\partial y^0} = 0$$

has a system of exact solutions:

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Some particular solutions ...

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$$\mu^0 = \varphi_3(q, \tau) y^{02} + \varphi_1(q, \tau)$$

$$v^0 = \psi_3(q, \tau) y^{03} + \psi_1(q, \tau) y^{02} + v_0(\tau) \quad (2.1)$$

$\zeta^0 = q y^{02} + \chi_1(q, \tau)$. The functions $\varphi_2, \varphi_3, \psi_3, \psi_1$, and χ_1 are determined from the system of equations

$$\begin{aligned} \chi_{1r} + (\varphi_3 - q + 2q^2) \chi_{1q} - b\chi_1 + \chi_1 - \varphi_1 &= 0 \\ \varphi_{1r} + (\varphi_3 - q + 2q^2) \varphi_{1q} - b\varphi_1 + k\varphi_1 + \frac{1}{2}\psi_1 &= 0 \\ \psi_{1q} + 2q\varphi_{1q} - 2\varphi_3\chi_{1r} &= 0 \\ \psi_3 &= -\frac{1}{2}[\varphi_{3r} + \varphi_{3q} - (\varphi_3 - q + 2q^2) + k\varphi_3 - 2q\varphi_1] \end{aligned} \quad (2.3)$$

the particular derivatives being denoted by the indices. φ_2 satisfies

$$\varphi_{2qr} = \varphi_{2qq}(\varphi_2 - q + 2q^2) + \varphi_{2q}^2 + \varphi_{2q}(k - 1 - q) + \varphi_2 = 0 \quad (2.4)$$

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Some particular solutions ...

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By substitution of

$$\Phi_2 = \frac{1}{4}q^2 + \frac{1}{3}(2-k)q + \frac{1}{6}(1+k)^2 + \frac{2}{3}z \quad q = \xi - \frac{1}{3}(1+k)$$

in (2.4), one obtains

$$\frac{2}{3}z_{tt} + z_{tt}(z + \xi^2) + z_t(z_t - 2\xi) = \alpha \quad (3.1)$$

For $\alpha = 0$, one obtains two particular solutions of (2.4):

$$\begin{aligned} \varphi_1 &= A\sqrt{q+B} - 2Bq - 4B^2 + B \\ \varphi_2 &= -\frac{1}{3}q^2 + \frac{1}{3}q + C(t) \end{aligned} \quad (3.6)$$

In addition, (2.4) still has the following solutions for $k = 1$:

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Some particular solutions ...

$\psi_2 = q/(t + C)$, $\psi_2 = \Lambda_q - \Lambda^2$. The finding of solutions of the form (2.1) may be reduced to integration of equation (2.4) and of two first order linear partial differential equations. If ψ_2 does not depend on time the solution

$$\psi_3 = -\frac{1}{3}[\varphi_{2q}(\varphi_2 - q + 2q^2) + k\varphi_2 - 2q\varphi_1]$$

$$\psi_1 = -2\varphi_{1t} - 2\varphi_{1q}(\varphi_3 - q + 2q^2) - 2(k - b)\varphi_1$$

$$\begin{aligned} \varphi_1 = & \int \left\{ F_1 \left(\tau - \int \frac{dq}{\varphi_2 - q + 2q^2} \right) \exp \left(- \int \frac{2\varphi_{2q} - 1 + 3q + k - b}{\varphi_2 - q + 2q^2} dq \right) + \right. \\ & + \varphi_{2q} \exp \left(- \int \frac{4q - b}{\varphi_2 - q + 2q^2} dq \right) \left[\int F_1 \left(\tau - \int \frac{dq}{\varphi_2 - q + 2q^2} \right) \times \right. \\ & \times \left. \left. \left[\exp \left(- \int \frac{2\varphi_{2q} - 1 - q + k}{\varphi_2 - q + 2q^2} dq \right) \right] dq + F_2 \left(\tau - \int \frac{dq}{\varphi_2 - q + 2q^2} \right) \right] \right\} dq \end{aligned}$$

$$\chi_1 = \int \exp \left(- \int \frac{4q - b}{\varphi_2 - q + 2q^2} dq \right) \left[\int F_1 \left(\tau - \int \frac{dq}{\varphi_2 - q + 2q^2} \right) \times \right.$$

$$\left. \exp \left(- \int \frac{2\varphi_{2q} - 1 - q + k}{\varphi_2 - q + 2q^2} dq \right) dq + F_2 \left(\tau - \int \frac{dq}{\varphi_2 - q + 2q^2} \right) \right] dq$$

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Some particular solutions ...

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B113/B104

is obtained. The solutions of the system of a non-steady transonic flow are obtained in an analogous way. S. A. Khristianovich is thanked for his interest. O. A. Berezin and A. A. Grib (PMTF, 1960, No. 2) are mentioned. There are 5 Soviet references.

SUBMITTED: November 11, 1961

X

Card 5/5

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0

ZASLAVSKIY, B.I. (Novosibirsk)

Reflection of a spherical shock wave in water from a free
surface. PMTF no. 6:50-58 N-D '63. (MIRA 17:7)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0"

S/0207/64/000/004/0057/0065

ACCESSION NR: AP4044721

AUTHOR: Zaslavskiy, B. I. (Novosibirsk)

TITLE: On nonlinear interaction of spherical shock waves, created as result of hollow charge explosion, with free water surface

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 4, 1964, 57-65

TOPIC TAGS: shock wave, spherical explosion, differential equation, exact solution, shock interaction, shock reflection / ETsVM system

ABSTRACT: Equations of "short-wave" propagation in spherical coordinates are given, i.e., $\frac{\partial \mu}{\partial \tau} + (\mu - \delta) \frac{\partial \mu}{\partial \delta} + \frac{1}{2} \frac{\partial v}{\partial y} + k\mu = 0$ ($k = 1$), $\frac{\partial v}{\partial \delta} - \frac{\partial \mu}{\partial y} = 0$, accompanied by a class of exact special solutions and applied to the case of spherical shock-free water surface interactions. The generalized exact solutions of the above equations are written in the form

$$\begin{aligned}\mu &= \varphi_0(q, \tau) y^3 + \varphi_1(q, \tau) y + \varphi_2(q, \tau) \\v &= \psi_0(q, \tau) y^3 + \psi_1(q, \tau) y^2 + \psi_2(q, \tau) y + \psi_3(q, \tau) \\&\delta = qy^3 + \chi(q, \tau) y + \chi_0(q, \tau)\end{aligned}$$

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ACCESSION NR: AP4044721

These then lead to the integration of an equation for ϕ_2 given by

$$\varphi_{17} + \varphi_{17} (\varphi_1 - q + 2q^2) + \varphi_{17}^2 + \varphi_{17} (k - 1 - q) + \varphi_1 = 0$$

and four linear equations with first order partial derivatives. The explosion is assumed to occur at depth h from the water surface (see Fig. 1 on the Enclosure) with $\sigma(r)e^{-\gamma}$ as the coordinate of point A. Two reflection regimes (regular and irregular) are identified along the propagation front of the shock wave (near the water surface) with a pressure of

$$P = \frac{D}{R} \frac{1}{\sqrt{\ln R - \ln \beta}} = \frac{D}{\beta} \frac{e^{-\gamma}}{\sqrt{\gamma}}$$

The interaction problem between shock wave and free surface is considered at such time $\gamma = \gamma_c$ when the explosion center reaches the water surface. A set of boundary conditions is developed for flow coupling on the characteristics BD and

$\frac{\partial \delta}{\partial y^0} \Big|_{r^0=0} = \sqrt{\mu_0}, \quad \mu_0 = \frac{d\delta}{dt}$, and an expression is derived for $\mu_0(\gamma)$ which is subsequently solved by an iteration method on the ETsVM. This yields

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ACCESSION NR: AP4044721

approximately

$$\mu_0(\tau) = 0.5 \left[\frac{\sqrt{\tau_0}}{\sqrt{\tau}} - 0.065 \left(\frac{\tau_0}{\tau} \right)^{0.76} + e^{-\tau/\tau_0} \right].$$

"The author thanks S. A. Khristianovich for his valuable discussions in this work." Orig. art. has: 59 equations and 2 figures.

ASSOCIATION: none

SUBMITTED: 25Feb64

SUB CODE: ME,GP,

NO REF Sov: 005

ENCL: 01

OTHER: 000

Card 3/4

ACCESSION NR: AP4044721

ENCLOSURE: 01

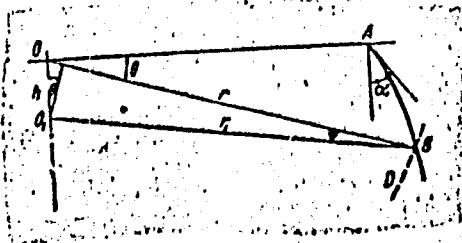


Fig. 1

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EMT(1)/EMP(4)/EMH(4)/ECS(1)/EWA(1)

ACC NR: AP6002159

SOURCE CODE: UR/020//65/000/006/0055/0068

AUTHOR: Zaslavskiy, B. I. (Novosibirsk); Klepikova, N. A. (Novosibirsk) F-1

ORG: none

K

TITLE: On a category of exact solutions for near-sonic flow equations

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 6, 1965, 65-68

TOPIC TAGS: aerodynamics, ~~near~~ sonic flow, supersonic flow, ~~near~~ shock wave

In this article, several solutions of the equations of near-sonic flows are determined, which are exact in the sense that they were obtained by the authors for particular values of the parameters of the problem. The flow around a sharp-pointed body in a supersonic stream is considered. The angle of attack is small. An attached shock wave is calculated in the axes of symmetry. The results are given in graphical form. Fig. 1 illustrates the exact solutions obtained here. The results are given in graphical form. Fig. 2 illustrates the exact solutions obtained here.

(AB)

SUB CODE: 20 / SUBM DATE: 27Jul65/ ORIG REFI: 005/ ATD PRESS: 4170

HW
Card 1/1

ZASLAVSKIY, B. L., ZAMBROVSKIY, V. A.

Pectin

Gelatine forming pectin from the press., Reviewed by B. L. Zaslavskiy, V. A. Zambrovskiy.,
Sakh. prom., 26, no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952. Unclassified.

NEFEDOV, A.A., kand.tekhn.nauk; CHERNETA, A.P., inzh.; DZIGVASHVILI, G.A.,
inzh.; ZASLAVSKIY, B.M., inzh.; KURDIANI, G.P., inzh.

Internal ruptures in low-carbon steel pipe billets. Stal' 23
(MIRA 16:5)
no.5:441-442 My '63.

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz i Zakavkazskiy
metallurgicheskiy zavod.
(Rolling (Metalwork)) (Steel ingots--Defects)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0

ZASLAVSKIY, B.N., inzh.

Improving the technology for the production of bimetal pipe.
Met. i gornorud. prom. no.2:70 Mr-tp '62. (MIRA 15:11)
(Pipe mills) (Laminated metals)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963910011-0"

SAVKIN, P. V., inzh.; KOLPOVSKIY, N. M., inzh.; GREMBERG, Ye. I., inzh.;
ZASLAVSKIY, B. N., inzh.

Smokeless lubrication for pipe rolling on continuous mills.
Met. i gornorud. prom. no.1:68-72. Ja-F '63.
(MIRA 16:4)

1. Dnepropetrovskiy truboprokatnyy zavod imeni Lenina.

(Metalworking lubricants)
(Pipe mills)

ZASLAVSKIY, B.V., kand. tekhn. nauk

Distribution of stresses in a flanged joint of circular
thin-walled shells subjected to bending. Vop. proch. i
ustoich. elem. tonkosten. kon. no.1:77-86 '63.
(MIRA 17:1)

ACCESSION NR: AT3003028

S/2942/63/000/001/0077/0086

AUTHOR: Zaslavskiy, B. V. (Candidate of technical sciences)

TITLE: Stress distribution in the flange connections of thin-walled shells in bending

SOURCE: Moscow. Aviatsionnyy institut. Voprosy prochnosti i ustoychivosti elementov tonkostennyykh konstruktsiy, no. 1, 1963, 77-86

TOPIC TAGS: flange stresses, thin shell flange stress, thin shell bending, flange, bolt force

ABSTRACT: The stress distributions in the flange connections of thin shells loaded in bending were investigated for uniform round flanges and for thin flanges with tongue-like protrusions for the bolts. The geometry is shown in Fig. 1 on the Enclosure (O_0 is the location of the neutral axis). The stress distributions in the flange were derived as:

$$\begin{aligned} \text{tension} &= \frac{8M_b}{DF_{\sigma t}} \cos \varphi - \cos \varphi_0 \\ \text{compression} &= \frac{8E_b M_b}{E_b D F_{\sigma t}} \cos \varphi - \cos \varphi_0 \end{aligned} \quad (1)$$

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ACCESSION NR: AT3003028

(where D = flange diameter, $F_b = \pi D h_b / n$, h_b = flange width, n = number of bolts,
 E_f and E_b = modulus of elasticity of flange and bolts respectively, ψ_0

$$\psi_0 = \frac{2 \operatorname{tg} \varphi_0 - \sin 2\varphi_0}{\pi - \varphi_0 + \operatorname{tg} \varphi_0}. \quad (2)$$

The forces in the bolts are given by

$$P_{\max} = \frac{8M_{max}(1-\cos\varphi_0)}{Dn(1-\psi_0)}. \quad (3)$$

In this equation $\varphi_0 = \pi$ corresponds to the case of an infinitely stiff flange and $\varphi_0 = 0$ to the assumption that the forces are linearly proportional to distance from the center. These are two limiting cases. In practice the neutral axis falls between these extremes. Orig. art. has: 6 figures, 2 tables, and 30 formulas.

ASSOCIATION: Moscow. Aviatsionnyy institut (Moscow Aviation Institute)

SUBMITTED: CO

DATE ACQ: 27Jun63

ENCL: 01

SUB CODE: AP, IE

NO REF Sov: 002

OTHER: 000

Card 2/32

ZASLAVSKIY, B.V., kand. tekhn. nauk

Calculation equation in the strength theory of Moore in
case of an approximation of the second-order curve enveloping
limiting stress circles. Vop. proch. i ustolich. elem. ton-
kosten. kon. no.1:215-221 '63. (MIRA 17:1)

UMANSKIY, Aleksandr Azar'yovich; GRIGOR'YEV, Yu.P., kand. tekhn. nauk,
dotsent; ROSTOVTSEV, G.G., doktor tekhn. nauk, prof., reisenzent;
ZASLAVSKIY, B.V., kand. tekhn. nauk, red.; BELEVTSIEVA, A.G., red.
izd-va; ROZHIN, V.P., tekhn. red.

[Structural mechanics of airplanes] Stroitel'naya mehanika samoleta.
Moskva, Gos. nauchno-tekhn. izd-vo Oborongiz, 1961. 528 p.
(MIRA 14:12)

(Airplanes)

(Strength of materials)

OBRAZTSOV, Ivan Filippovich; KISKLEV, V.F., dotsent, kand.tekhn.nauk,
retsenzent: ZASLAVSKIY, B.V., dotsent, kand.tekhn.nauk, red.;
BOGOMOLOVA, N.P., Izdat.red.; PUKHLIKOV, N.A., tekhn.red.

[Stability analysis of wing-type shell structures] Metody
rascheta na prochnost' kessonnnykh konstruktsii tipa kryla.
Moskva, Gos.isd-vo obor.promyshl., 1960. 311 p. (MIRA 13:5)
(Airplanes--Wings)

SERENSEN, Sergey Vladimirovich; GIATSINTOV, Yevgeniy Valentinovich;
KOGAYEV, Vladimir Petrovich; STEPNOV, Mikhail Nikitovich;
Prinimali uchastiye: BAL'ZOVSKIY, F.K.; BORODIN, N.A.; VETKIN,
I.I.; IVANOV, G.T.; ZASLAVSKIY, B.V., kand.tekhn.nauk, red.;
NOVIK, A.Ya., tekhn.red.

[Structural strength of airplane alloys] Konstruktsionnaya
prochnost' aviationskih splavov. Moskva, Gos.nauchno-tekhn.
izd-vo obor., 1962. 100 p. (Moscow. Aviationskiy tekhnologicheskiy
institut. Trudy, no.54). (MIRA 16:2)

(Aluminum alloys--Testing)

OBRAZTSOV, Ivan Filippovich; KISELEV, V.F., dotsent, kand.tekhn.nauk,
retsenzent; ZASLAVSKIY, B.V., dotsent, kand.tekhn.nauk, red.;
BOGOMOLOVA, M.Y., izdat.red.; PUKHLIKOVA, N.A., tekhn.red.

[Stability analysis of wing-type shell structures] Metody
rascheta na prochnost' kessonnykh konstruktsii tipa kryla.
Moskva, Gos.izd-vo obor.promyshl., 1960. 311 p. (MIRA 13:4)
(Airplanes--Wings)

ZASLAVSKIY, B.V., kandidat tekhnicheskikh nauk.

Plastic areas near circular holes in thin plates subjected to
biaxial stretching. Trudy MAI no.69:11-38 '56. (MIRA 10:1)
(Elastic plates and shells)

ANAN'YEV, Ivan Vasil'yevich; TIMOFEYEV, Pavel Grigor'yevich.
Prinimala uchastiye UL'YANOVA, Yu.T.; MAKAROV, S.Ya.,
inzh., retsenzent; ZASLAVSKIY, B.V., kand. tekhn.
nauk, red.; BURAKOVA, O.N., red.

[Vibrations of elastic systems in airplane structures
and their damping] Kolebaniia uprugikh sistem v aviatsion-
nykh konstruktsiiakh i ikh dempfirovaniye. Moskva, Mashino-
stroenie, 1965. 525 p. (MIRA 18:4)

ZASLAVSKIY, B. Ya.

KAPSHUKOV, Stepan Gavrilovich; ZASLAVSKIY, B. Ya., red.; PULYAKH, A. I., red.
SLEDNEV, I. P., red.; SOLOMOHIK, R. L., tekhn.red.

[The struggle of the Bolshevik party for the army during the first
World War, 1914 - March 1917] Bor'ba bol'shevitskoi partii za
armiui v period Pervoi Mirovoi voiny, 1914 g. - mart 1917 g.)
Moskva, Voen. izd-vo M-va obor. SSSR, 1957. 162 p. (MIRA 11:2)
(Communist Party of the Soviet Union--Party work)
(Russia—Army)

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1. Redaktsiya gazety "Pravda" (for Azizyan, Denisov). 2. Komitet po radioveshchaniyu i televideniyu (for Andriyanov). 3. Redaktsiya gazety "Komsomol'skaya pravda" (for Barashev). 4. Redaktsiya gazety "Sovetskoye foto" (for Bugayev). 5. Redaktsiya gazety "Krasnaya zvezda" (for Vasil'yev). 6. Gosudarstvennoye izdatel'stvo politicheskoy literatury (for Zaslavskiy). 7. Redaktsiya gazety "Izvestiya" (for Ostroumov). 8. Telegrafnoye agenstvo SSSR (for Tyupayev).
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red.; SMIRNOV, G., tekhn. red.

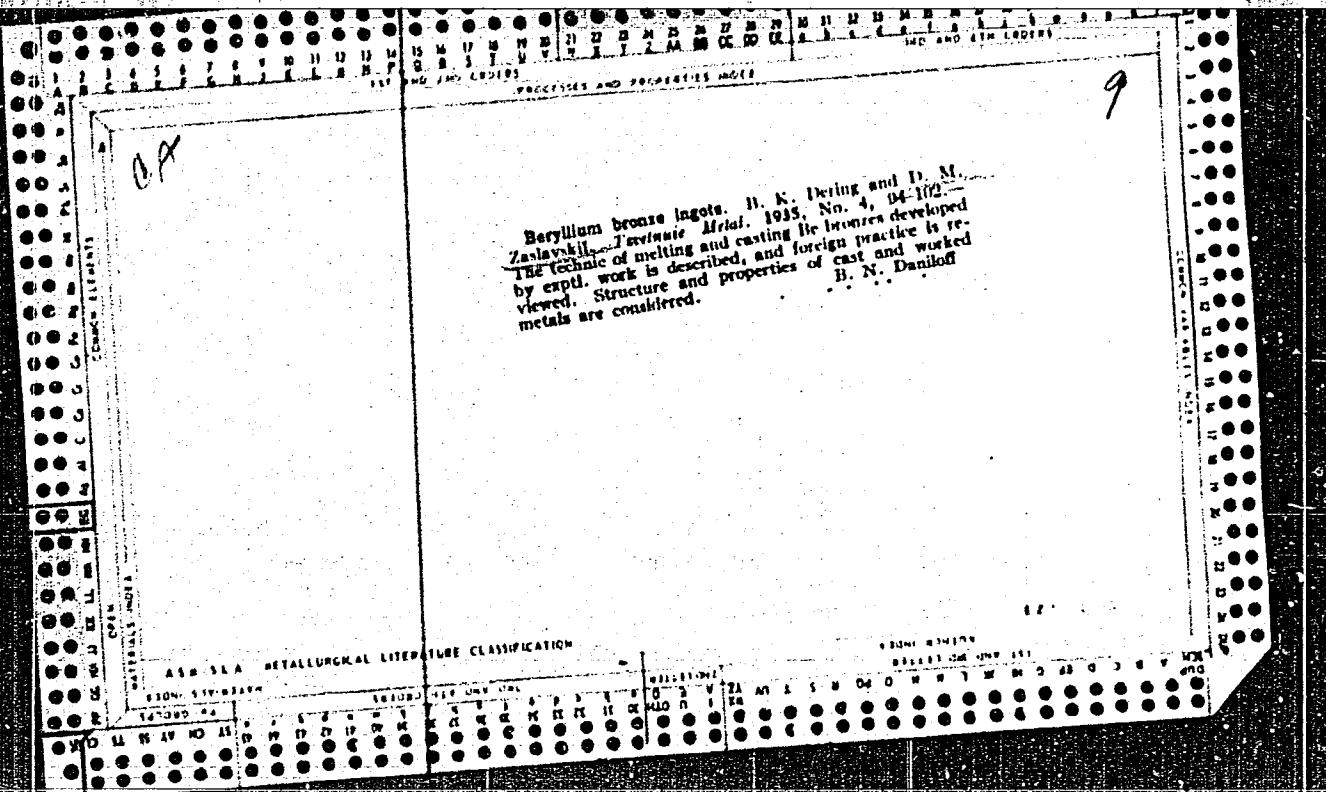
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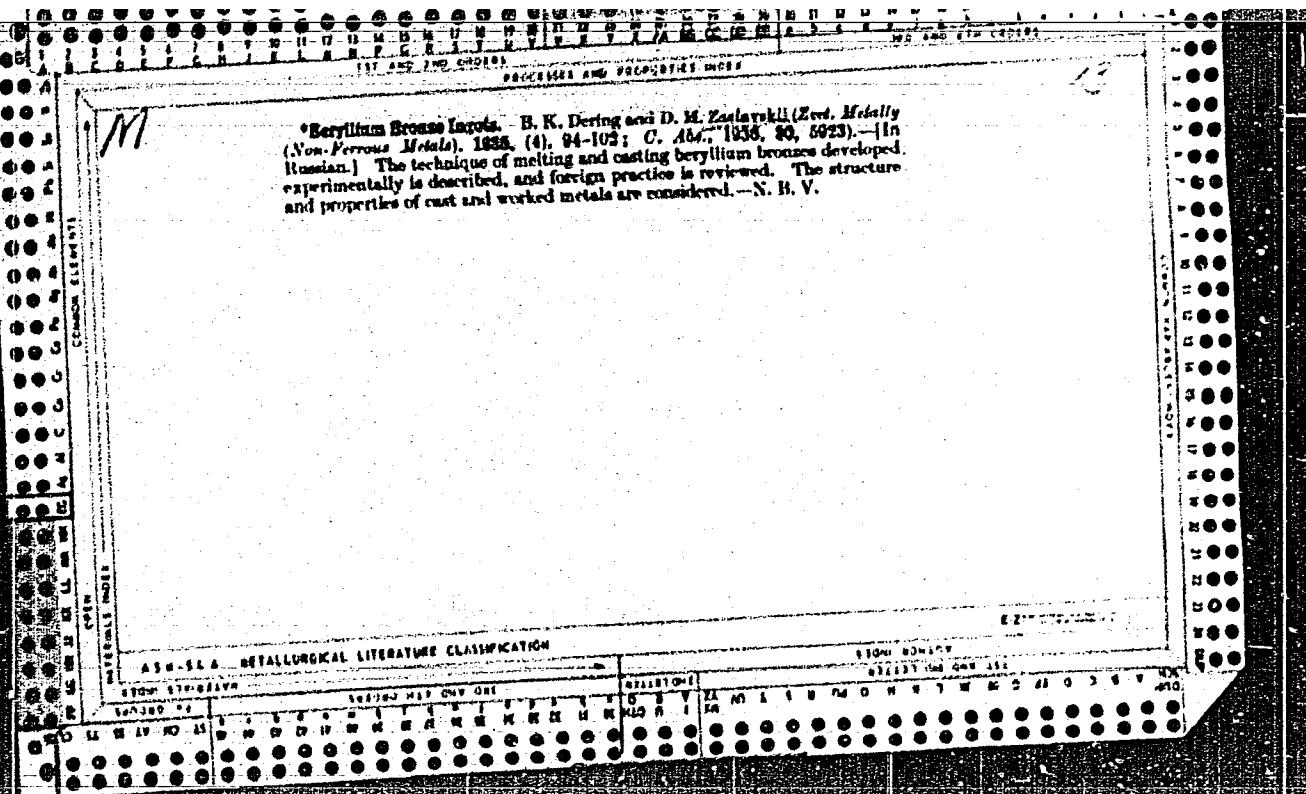
FILIPPOV, Iosif Filippovich; ZASLAVSKIY, D.I., dots., retaenzent;
IVANOV, N.P., kand. tekhn. nauk, nauchnyj red.; USSEK,
A.S., kand. tekhn. nauk, red.; ZHEKVE, G.K., kand. tekhn.
nauk, red.; ZARITSKIY, Ya.V., red.

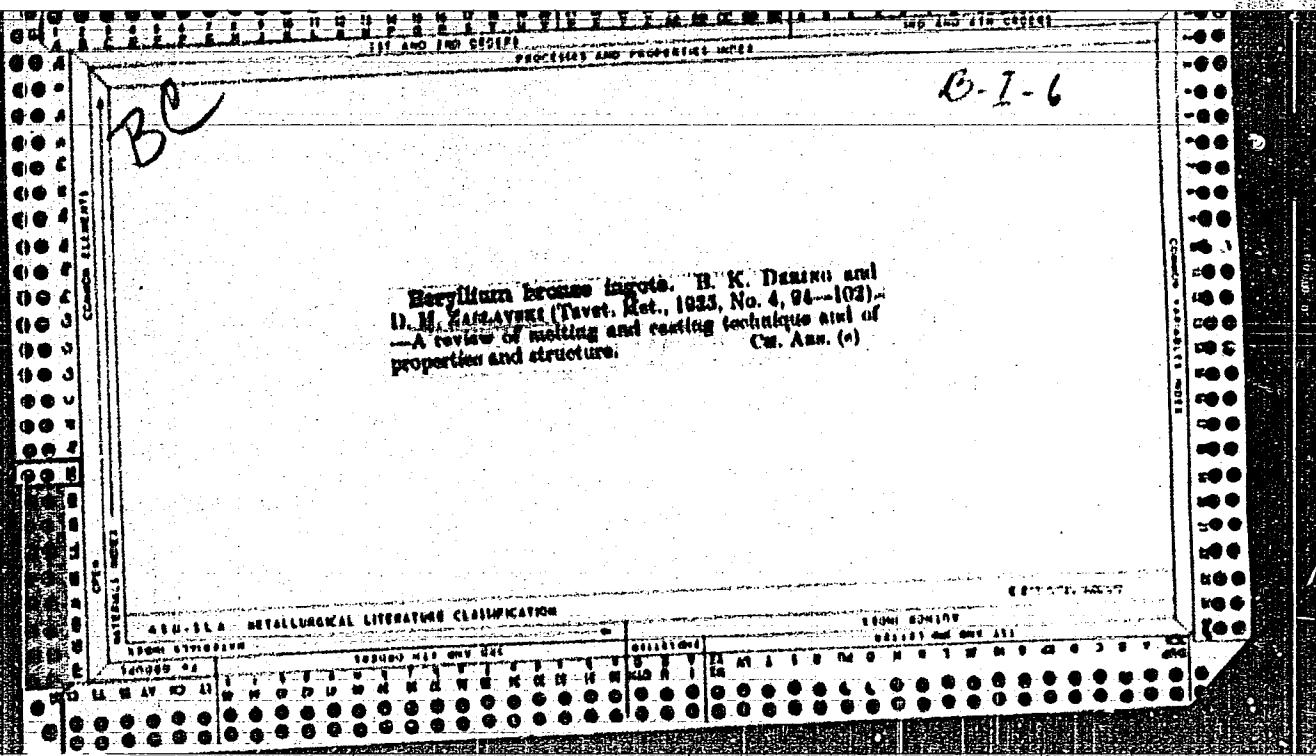
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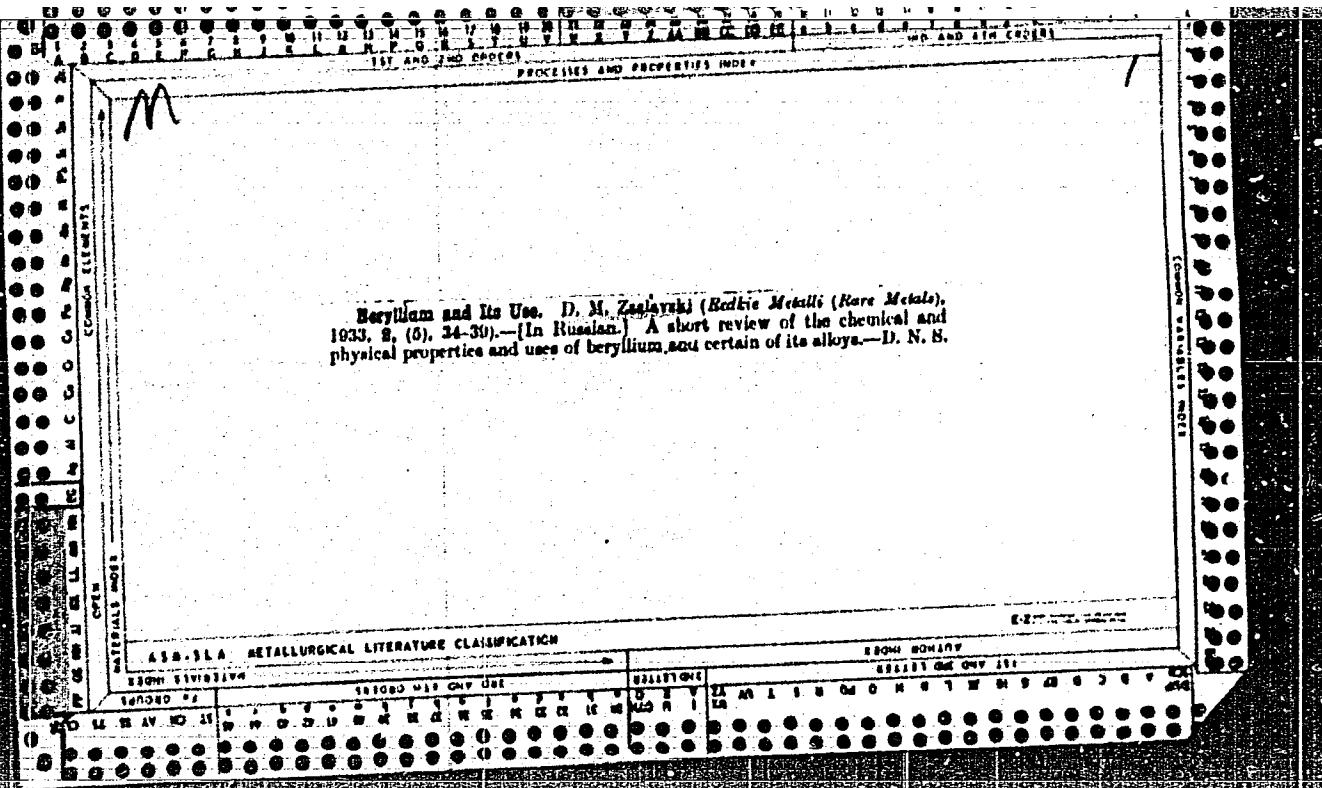
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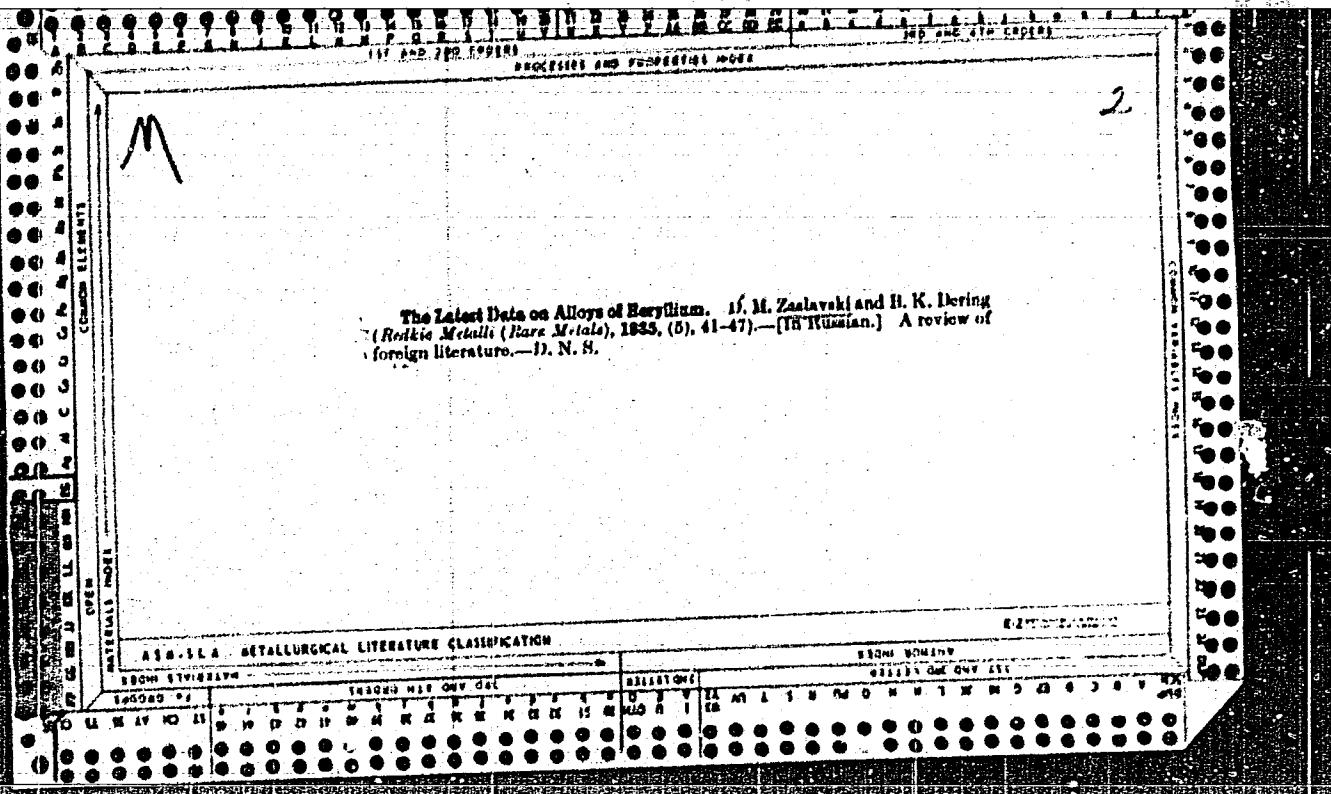
Important source for saving tin. Mashinostroitel' no.9:45
S '62. (MIRA 15:9)
(Bronze)











ORLOV, Nikolay Dmitriyevich, kand.tekhn.nauk; MIRONOV, Vladimir Mikhaylovich;
SPASSKIY, A.G., doktor tekhn.nauk, retsenzent; KURDYUMOV, A.V.,
kand.tekhn.nauk, retsenzent; PIKUNOV, M.V., kand.tekhn.nauk, retsen-
zent; CHURSIN, V.M., kand.tekhn.nauk, retsenzent; POZDNYAK, N.Z.,
inzh., retsenzent; ZASLAVSKIY, D.M., inzh., retsenzent; RUBTSOV,
N.N., prof., doktor tekhn.nauk, red.; POMERANTSEV, S.N., inzh., red.;
RYBAKOVA, V.I., inzh., red.izd-va; MODEL', B.I., tekhn.red.

[Founding handbook; shaped castings of heavy nonferrous metals]
Spravochnik liteishchika; fasonnoe lit'a iz splavov tiazhelykh
tavetnykh metallov. Pod red. N.N.Rubtsova. Moskva, Gos.nauchno-
tekhn.izd-vo mashinostroit.lit-ry, 1960. 402 p.

(MIRA 13:11)

(Nonferrous metals--Founding)
(Founding--Handbooks, manuals, etc.)

ZASLAVSKIY D. M.

Shaped Casting of Copper (Contd) Collection of Articles 509
(book) Moscow, Mashgiz, 1957, 205p

Zaslavskiy, D. M., Engineer. Lead-Bronze Castings; Practice at the
"Krasnyy Fakel" Plant

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In this paper the author is concerned with lead-bronze castings of parts for pumps operating in fresh and salt water, and in particular with the preparation of molds and cores, especially cores made of cast-iron shavings, sand and a binding agent. These cores are said to reduce porosity in castings and improve their mechanical properties due to good thermal conductivity. The author goes on to discuss various riser systems and gating arrangements to insure good "feeding" of the casting. There are numerous diagrams and drawings showing different molds and cores for casting of lead bronze. Methods of repairing faulty castings, such as electric welding and thermal treatment, are discussed. No personalities are mentioned. There are no references.

This book contains papers presented during a technical and scientific convention Moscow, Dec '55, on theory and practice of shaped copper-alloy castings.
Verner, Ye. E., Engineer. Use of Gating System With "Throttle" Arrangement
in Bronze Casting; Practice at the Vladimirs'kiy Tractor Plant

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